ಕೈಬಿಡಲಾದ ಕಾಮಗಾರಿ ಸಂಖ್ಯೆ: 4906/16-17

ಸದರಿ ಕೆಲಸ ಕೈಗೆತ್ತಿಕೊಳ್ಳಲು ಎನ್.ಕೆ. ರವಿ ಇಂಜಿನಿಯರ್ಸ್ ಸಂಸ್ಥೆಯವರು ವಾರ್ಡ್ ನಂ 12 ಕೆಲಸಕ್ಕೆ ಬದಲಿಯಾಗಿ ಇಂದಿನ ದಿನಾಂಕ: 30-11-2016 ರಂದು ಒಪ್ಪಿಗೆ ನೀಡಿರುತ್ತೆ. ಸದರಿ ಕೆಲಸ ಕೈಗೆತ್ತಿಕೊಳ್ಳಲು ಕಾಮಗಾರಿ ಸಂಖ್ಯೆ: 490501 ರಿಂದ 490600 ರ ವರೆಗೆ ಕ್ರಮಸಂಖ್ಯೆ ಕೊಟ್ಟಿರುತ್ತೆ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore.
30/11/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490501

Serial No. .....

Name of Work Construction of culverts at AYR layout in ward no - 12 S.S.D. From..... To.....

Name of Contractor of nature of Agency M/S Inchara Construction

Date of commencement of work NOEE/BD/HO/29/15-16 Dt:- 24/3/16 Sci:- 012-16-000005

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	5	7	8
I-1	Earth work excavation by manual means. In ordinary soil.						
	1) AYR layout 2nd cross	1	6.50	2.10	1.20	16.32 ~~18.72~~ cum	
	2) Kare Kalle Shankrappa house	1	4.60	2.10	1.20	11.59 cum	
	3) Aladamara park	1	7.20	2.10	1.20	18.14 cum	
	4) 2nd cross Babanna layout	1	6.20	2.10	1.20	15.62 cum	
	5) 5th Main Appaji house	1	6.50	2.10	1.20	16.32 ~~18.72~~ cum	
	6) 13th cross A&B Layout	1	8.30	2.10	1.20	20.96 cum	
						103.70 cum	
					Qty Ltd to	95.04 cum	

Chd a Rt

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಲಸಕ್ಕೆ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ನಂ. 20, ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Ravi N.K. 30/11/16.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-2.	Providing and laying in position 1:4:8.						
		1	6.50	2.10	0.15	= 2.04 cum	
		1	4.60	2.10	0.15	= 1.40 cum	
		1	7.20	2.10	0.15	= 2.26 cum	
		1	6.20	2.10	0.15	= 1.95 cum	
		1	6.50	2.10	0.15	= 2.04 cum	
		1	8.30	2.10	0.15	= 2.61 cum	
						12.30 cum	
				Qty bd to		11.88 cum	

Ckd & Rec
30/4/16
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

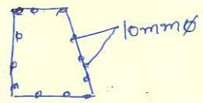
Ravi. N.K.
30/4/16

M. A. R. 57 (Rule 116)
Measurement Book

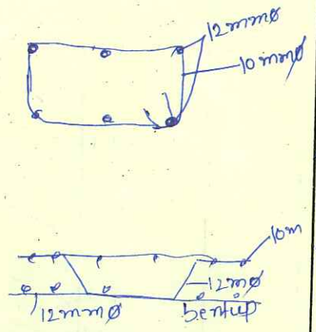
No. B

490502

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-5.	providing TMT steel reinforcement for R.C.C work.						
		2 × 21	× 6.50	= 273.0	× 0.62	= 169.26 kgs	
		33	× 3.80	= 125.4	× 0.62	= 77.74 kgs	
		2 × 21	× 4.60	= 193.0	× 0.62	= 119.78 kgs	
		23	× 4.60	= 105.80	× 0.62	= 65.59 kgs	
		2 × 21	× 7.20	= 302.40	× 0.62	= 187.48 kgs	
		36	× 3.80	= 136.8	× 0.62	= 84.81 kgs	
		2 × 21	× 6.20	= 260.4	× 0.62	= 161.44 kgs	
		33	× 3.80	= 125.4	× 0.62	= 77.74 kgs	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2×21	× 6.50	= 273.0	× 0.62	= 169.26 kgs	
		33	× 3.80	= 125.40	× 0.62	= 77.74 kgs	
		2×21	× 8.30	= 348.6	× 0.62	= 216.13 kgs	
		42	× 3.80	= 157.70	× 0.62	= 97.77 kgs	
		49×6	× 1.80	= 529.2	× 0.89	= 470.98 kgs	
		49×9	× 1.80	= 793.8	× 0.62	= 492.15 kgs	
		2×6	× 1.80	= 21.6	× 0.89	= 19.22 kgs	
		2×9	× 1.80	= 32.40	× 0.62	20.08 kgs	
		2×18	× 2.40	= 86.4	× 0.89	= 76.89 kgs	
		2×18	× 1.60	= 57.6	× 0.89	= 51.26 kgs	
		2×8	× 8.30	= 132.8	× 0.62	= 82.33 kgs	
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಶಿವಾಜಿನಗರ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ					2717.74 kgs	

Chd ae Re

Chd ae Re 11/5/16

Ravi. N.C. 11/5/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490503

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
I-6	providing & removing centering Shuttering						
		2×2	× 6.50 ×		× 1.10	= 28.60 sqm	
		2×2	× 4.60 ×		× 1.10	= 20.24 sqm	
		2×2	× 7.20 ×		× 1.10	= 31.68 sqm	
		2×2	× 6.20 ×		× 1.10	27.28 sqm	
		2×2	× 6.50 ×		× 1.10	= 28.60 sqm	
		2×2	× 8.30 ×		× 1.10	= 36.52 sqm	
						172.92 sqm	
					Add 40%	= 124.56 sqm	
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಶಿವಾಜಿನಗರ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಎಂ.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು						

Chd ae Re 11/5/16

Ravi. N.C. 11/5/16.

1st & final:-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Name of work:-	Construction of culverts at AYR Layout in ward no-12 Shettyhalli Sub-Division.						
Work order:-	NO EE/DD/WO/29/15-16 D:- 24/3/16.						
JC:-	012-16-000005.	Est cost:- 6.0 lakhs					
Agency:-	M/s Inchara Construction.						
I-1	Earth work excavation by manual means in hard soil involving and average horizontal throw upto 2 meters and an average lift upto 0.50m excavated surface leveled & sides neatly dressed the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Qty vide pg no 490501/1 of this M.B.				@	95.04 cum 107=25	Rs:- 10203=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490504

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-2	Providing & laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180kgs with 40mm & down size graded granite metal coarse aggregate @ 0.86 cum & fine aggregate @ 0.58cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted curing complete as per specification Qty vide pg no 490501/2 of this M.B.					11.88 cum @ ~~5596~~ 4710=58	Rs:- 55962=00
I-3	Providing & laying in position Plain cement concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Of mix. 1:2:4 with cement @ 240 Kgs with 20mm & down size graded granite metal coarse aggregate @ 0.878 cum & fine aggregate @ 0.459 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth & Cilly including cost of all materials, labour, Hire of machinery complete as per specifications.						
		2	× 6.50	× $\frac{0.75+0.45}{2}$	× 1.0	= 7.8cum	
		2	× 4.6	× $\frac{0.75+0.45}{2}$	× 1.0	= 5.52cum	
		2	× 7.2	× $\frac{0.75+0.45}{2}$	× 1.0	= 8.64cum	
		2	× 6.20	× $\frac{0.75+0.45}{2}$	× 1.0	= 7.44cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490505

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cert item 3	2	× 6.50	× $\frac{0.75+0.45}{2}$	× 1.0	= 7.80cum	
		2	× 8.30	× $\frac{0.75+0.45}{2}$	× 1.0	= 9.96cum	
						47.16cum	
						42.77cum	
						@ 5020=61	
						Nr 214731=00	
I-A	Providing and laying cement concrete using 20mm & downsize granite jelly of ready mixed concrete (RMC) for R.C.C. works laid in 15cms thick layers and well compacted vibrating, curing finishing. With necessary cement mortar form works &						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Scaffolding to with stand pumping of concrete with all lead & lifts etc. complete Ready mixed Cement concrete M-20 (1:1 5:3) for raft foundation Column footing, main & Secondary beam complete as per specification						
		51 ×	1.80 ×	0.60 ×	0.23	= 12.66 cum	
		1 ×	8.30 ×	1.20 ×	0.15	= 1.49 cum	
		~~3.50 × 1.60 × Pa~~					
		2 ×	3.50 ×	1.60 ×	0.25	= 2.24 cum	
						~~16.90 cum Pa~~ 16.39 cum	
						@ 5882.46	96413
							96436=00
							~~87698=00~~
							Pa
I.5.	Providing TMT Steel reinforcement for R.C.C. work including straightening cutting bending hooking						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490506

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Placing in position lapping / or welding wherever required tying with binding wire & anchoring to the adjoining members wherever necessary complete as per specification.						
	Qty vide pg no. 490502 of this M.B.					2.02 tonne @ 64875=14	
							Rs- 131048=00
I.6.	Providing & removing centering shuttering strutting propping etc., and removal of form work for vertical surface such as walls at any thickness including attached pilasters buttress plinth						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and string courses bot t: of all material labour complete as per specification. Qty vide pg no. 490 503/1 of this M. B.					124.56 sqm @ 284=94 Rs - 35492=00	
I-7-	Disposal of debris to the final place of disposal with all lead & lift complete as per specification Qty vide item no - 1					95.04 cum @ 67=54 Rs - 6419=00	
	Total Amount:-					550291=00	
						550200=	

Ckd & Rec
30/6/2016
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490507

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate:- 1) certified that contractor has done the work satisfactory 2) certified that there is no due work from contractor side 3) certified that contractor has removed all debris from work spot.						

30/6/16

Audited and admitted for Rs. 550200=
Passed by Cheque for Rs. 512018=
by adjustment Rs 38182=
Accounts Superintendent
Executive Engineer
B.B.M.P., Hegganahalli Division

30/6/2016
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
	AYR. 1st crop 2nd crop 3rd - 3 trees Agb. kyll	Ponds. Ponds.					

Audited and admitted for Rs.....
Passed by Cheque for Rs.....
(.....
.....)
by adjustments Rs.....
Accounts Superintendent Exe. Engineer
B.E.M.P. Ponds Division

Balanna

Rail. N.T. 30/6/16.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಟ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ಕೃಷ್ಣ ಮಹಾನಗರ, ಬೆಂಗಳೂರು.